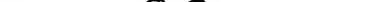


<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p> <p>Sheet 1 of 1</p>		<i>Complete if Known</i>	
		Application Number	10/642,324
		Filing Date	August 18, 2003
		First Named Inventor	Takeshi NISHIUCHI
		Art Unit	1742
		Examiner Name	J. Sheehan
		Attorney Docket Number	60303.32

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			
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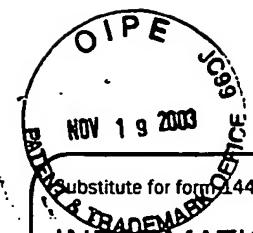
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Substitute for form 1449/PTO SEP 06 2005 PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 1 of 5				Complete if Known	
				Application Number	10/642,324
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				Examiner Name	J. Sheehan
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		Country Code+Number-Kind Code *(if known)				
	17	HU 199904	01-1989	HUNGRY		
<i>Jol</i>	18	JP 05-269549 (With English abstract and English machine translation)	10-1993	JAPAN		X
<i>Jol</i>	19	JP 01-162702 (With English abstract)	06-1989	JAPAN		X
<i>Jol</i>	20	JP 04-147604 (With English abstract)	05-1992	JAPAN		X
<i>Jol</i>	21	JP 01-204401 (With English abstract)	08-1989	JAPAN		X
<i>Jol</i>	22	JP 2002-302702 (With English abstract and machine translation)	10-2002	JAPAN		X
<i>Jol</i>	23	JP 2000-348919 (With English abstract and machine translation)	12-2000	JAPAN		X
<i>Jol</i>	24	JP 05-315174 (With English abstract and machine translation)	11-1993	JAPAN		X
<i>Jol</i>	25	JP 08-124730 (With English abstract and machine translation)	05-1996	JAPAN		X
<i>Jol</i>	26	JP 2002-64009 (With English abstract and machine translation)	02-2002	JAPAN		X
Examiner Signature	<i>John P. Sheehan</i>		Date Considered	11/7/05		

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		Filing Date	August 18, 2003
		First Named Inventor	Takeshi NISHIUCHI
		Art Unit	1742
		Examiner Name	J. Sheehan
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	27	4,585,473	04-1986	Narasimhan et al.	
	28	4,597,938	09-1986	Matsuura et al.	
	29	4,664,724	05-1987	Mizoguchi et al.	
	30	4,994,109	02-1991	Willman et al.	
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	37	6,890,392	05-2005	Kanekiyo et al.	
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	39	2003/0136468	07-2003	Kanekiyo et al.	

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		Country Code ³ -Number-Kind Code ⁵ (if known)				
JL	40	JP 02-247307 (with English abstract)	10-1990	JAPAN		
JL	41	JP 08-053710 (with English abstract and machine translation)	02-1996	JAPAN		X
JL	42	JP 11-8109 (with English abstract and machine translation)	01-1999	JAPAN		X
Examiner Signature	<i>John P. Shul</i>			Date Considered	<i>11/7/05</i>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name	J. Sheehan
Attorney Docket Number	60303.32

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JS	43	JP 2000-234137 (with English abstract and machine translation)	08-2000	JAPAN		X
JS	44	JP 2000-235909 (with English abstract and machine translation)	08-2000	JAPAN		X
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JS	47	JP 2002-239688 (with English abstract and machine translation)	08-2002	JAPAN		X
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JS	52	JP 64-081301 (with English abstract)	03-1989	JAPAN		X
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JS	54	EP 0 197 712	10-1986	EPO		
JS	55	EP 0 302 395	02-1989	EPO		
JS	56	EP 1 158 545	11-2001	EPO		
JS	57	WO 01/68297	09-2001	WIPO		
JS	58	WO 00/52713	09-2000	WIPO		
JS	59	JP 64-140350	06-1988	JAPAN		
JS	60	WO 02/067276	08-2002	WIPO		
Examiner Signature		<i>John P. Sheehan</i>		Date Considered	11/7/05	

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title Of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>JS</i>	61	L. Henderson Lewis et al., "Phase Composition and Magnetic Characteristics of Inert Gas-Atomized RE-Fe-B-Based Powders", IEEE Transactions on Magnetics, Vol. 31, No. 6, 11/1995, pp. 3641-3643.	
<i>JS</i>	62	M.J. Kramer et al., "A Generalized Solidification Model and Microstructural Verification for the Nd-Fe-B-Ti-C System Processed by Rapid Solidification", J. Appl. Phys. 81(8), 04/1997. pp. 4459-4461.	
<i>JS</i>	63	MISSELL et al., "RARE-EARTH MAGNETS AND THEIR APPLICATIONS," Proceedings of the 14 th International Workshop, 09/1996, pp. 28-37, Vol. 1, World Scientific, Singapore, New Jersey, London, Hong Kong.	
<i>JS</i>	64	YAO, J.M. et al, "Coercivity of Ti-modified (α-Fe)-Nd ₂ Fe ₁₄ B Nanocrystalline Alloys", Journal of Applied Physics, November 15, 1994, pp. 7071-7073, Volume 76, No. 10, American Institute of Physics, Woodbury, New York, USA.	
<i>JS</i>	65	Z.S. Wronski, "Microstructure and Magnetic Properties of Low-Neodymium Nd-Fe-B-Si Magnets Produced from HP Gas Atomized Powder", J. Appl. Phys. 69(8), 04/1991, pp. 5507-5509.	
<i>JS</i>	66	D.J. Branagan, et al., "A New Generation of Gas Atomized Powder with Improved Levels of Energy Product and Processability", IEEE Transactions on Magnetics, Vol. 32, No. 5, 09/1996, pp. 5097-5099.	
	67	CHANG et al., "High Performance...Nanocomposites", pp. 121-123, 01/1998, Applied Physics Letters, Vol. 72, No. 1.	

Examiner Signature	<i>John P. Sheehan</i>	Date Considered	<i>11/7/05</i>
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				Examiner Name	J. Sheehan
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	68	Application No. 10/432,862. Filed May 28, 2003. "Nanocomposite magnet."	
	69	Application No. 10/745,834. Filed December 24, 2003. "Permanent magnet including—multiple ferromagnetic phases and method for producing the magnet."	
<i>JS</i>	70	Lewis L H et al, "COMPOSITIONAL CLUSTERING IN ND ₂ FE ₁₄ B MELT-SPUN RIBBONS" Journal of Applied Physics, American Institute of Physics. New York, US, vol. 87, no. 9, 1 May 2000, pp. 4735-4737.	
	71	Application No. 09/086,380. Filed November 8, 2001. "Nanocomposite magnet and method for producing same." now U.S. Pat. 6,790,296	
<i>JS</i>	72	Office Action issued June 17, 2005. Application No. 10/432,862. "Nanocomposite Magnet."	
	73	Application No. 09/455,469. Filed December 6, 1999. "Nanocomposite magnet material and method for producing nanocomposite magnet."	
	74	Application No. 10/381,005. Filed March 20, 2003. "Iron-based rare earth alloy nanocomposite magnet and method for producing the same."	
<i>JS</i>	75	Office Action issued March 28, 2005. Application No. 10/381,005. "Iron-based rare earth alloy nanocomposite magnet and method for producing the same."	
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		Number-Kind Code ² (if known)			
jl	1	5,666,635	09/1997	Kaneko et al	
jl	2	6,332,933	12/2001	Ma et al.	
jl	3	6,352,599	03/2002	Chang et al.	
jl	4	6,280,536	08/2001	Inoue et al.	
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jl	6	4,770,723	09/1988	Sagawa et al.	
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jl	19	JP 06-32471	01/1995	JAPAN EP	jl 11-4-05 X
jl	20	JP 2000-079449	03/2000	JAPAN	X
jl	21	JP 61-140350	06/1986	JAPAN	X
jl	22	JP 2000-079451	3/2000	JAPAN	X
jl	23	JP 8-167515	06/1996	JAPAN	X
jl	24	JP 1-100242	04/1989	JAPAN	X

Examiner Signature	<i>John D. Shaeber</i>	Date Considered	11/7/05
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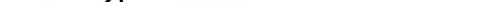
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		Attorney Docket Number		60303.32	

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<i>JL</i>	45	R. Coehoorn, et al., "Novel Permanent Magnetic Materials Made by Rapid Quenching", Journal de Physique, C8, 12/1988, pp.669-670.	
<i>JL</i>	46	W.C. Chang, et al., "The Effects of Refractory Metals on the Magnetic Properties Of α -Fe/R ₂ Fe ₁₄ B-Type Nanocomposites", IEEE, Transactions on Magnetics, Vol.35, No.5, September 1999, pp.3265-3267.	
<i>JL</i>	47	W.C. Chang, et al., Magnetic and Microstructure Studies of boron-enriched (Nd _{0.95} La _{0.05}) ₁₁ Fe _{76.5} _x Co _x Ti ₂ B _{10.5} (x=0-15) Melt-Spun Ribbons, IEEE, Transactions on Magnetics, Vol.36, No.5, September 2000, pp.312-3314.	
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<i>JL</i>	50	G. Ya. Merkulova, et al., "The temperature dependence of coercivity in nanocrystalline Nd-Fe-B-(TiC)magnets", Journal of Applied Physics, Vo.87 No.9, May 2000, pp.4738-4740.	
<i>JL</i>	51	Chiriac, et al., "Nd ₈ Fe ₇₃ Co ₅ Hf ₂ B ₁₂ strip cast alloy", Journal of Applied Physics, Vol. 87 No. 9, May 2000, pp.5338-5340.	
<i>JL</i>	52	J. Bernardi, et al., "Microstructural analysis of strip cast Nd-Fe-B alloys for high (BH) _{max} magnets", Journal of Applied Physics, Vol.83 No. 11, June 1998, pp.6396-6398.	
<i>JL</i>	53	W.C. Chang, et al., "The effects of La-substitution on the microstructure and magnetic properties of nanocomposite NdFeB melt spun ribbons", Journal of Magnetism and Magnetic Materials, Vo.167 Nos.1-2, March 1997, pp.65-70.	
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Examiner Signature	<i>John P. Shue</i>	Date Considered	<i>11/7/05</i>
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¹ Applicant unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Takeshi NISHIUCHI
		Art Unit	
		Examiner Name	
Sheet	4	of	5
		Attorney Docket Number	60303.32

NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	11/7/05
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number-Kind Code ⁵ (if known)				
<i>JL</i>	60	JP 2001-244107	09/2001	JAPAN		
<i>JL</i>	61	JP 07-226312	08/1995	JAPAN		X
<i>JL</i>	62	JP 06-338407	12/1994	JAPAN		X
<i>JL</i>	63	JP 10-53844	02/1998	JAPAN		

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